

Submission of Unserviceable Commodities that Contain Radioactive Material

1. Excess or condemned items that cannot be reutilized, recycled, transferred, donated, and/or sold shall be disposed of in accordance with Defense Demilitarization Manual, DoD 4160.21-M. These items shall be demilitarized in accordance with applicable Army regulations and/or technical orders by removing the radioactive components whenever possible. The demilitarized end item shall be disposed of through the local Defense Reutilization and Marketing Office (DRMO). The radioactive material(s) and/or component(s) shall be transferred to the RMPF as per the instructions contained in this annex.
2. The generator must verify the radionuclide and activity of each item to be transferred to the RMPF to insure compliance of all applicable regulations. RAM will be separated according to isotope. Separated groups should be placed in clear zip lock plastic bag(s), the bag(s) closed, and labeled with the radionuclide to include total activity for that bag.
3. When transfer of RAM is deemed necessary the plastic bag(s) will be sealed and placed in another strong plastic bag containing no rips, tears, or punctures. The second bag will be sealed and labeled or marked "Radioactive, UN2911".
4. **Disposition of items covered under the Unique Item Tracking (UIT) and/or Radiation Testing and Tracking System (RATTS) (i.e. CAM, CAD),** shall be coordinated through the 200th Materiel Management Center (MMC), Radiation Control Officer (RCO), prior to submission to the RMPF.
5. **Complete a DD Form 1348-1(A) as indicated at ANNEX E.**
6. Contact should be made to the RMPF prior to transportation.
NOTE: Transportation of RAM by a privately owned vehicle (POV) is not recommended.
7. No RAM should be sent thru Military Postal Service (MPS). **If RAM is to be shipped via Government transportation or commercial delivery service,** strictly adhere to the following procedures:
 - a. All shipments will be authorized by disposition instructions from the USAREUR/7A Safety Office and/or the RMPF.
 - b. The shipper shall package the material in a single strong-tight container, such as a cardboard, wooden, or fiberboard box or metal drum with sufficient packaging material (*No Styrofoam Peanuts*) to prevent damage to contents under conditions normally incident to transportation. All seams will be securely taped with nylon reinforced tape.

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c. After the material is packed, a RSO will monitor all sides including top and bottom of the container with a gamma survey meter (i.e. AN/PDR-77 or equivalent) to insure that the exposure rate at the surface of the container does not exceed 0.5 mRem/h (5 uSv/h). The RMPF should be contacted for further instructions if the measured exposure rate exceeds this value.

d. The container can be shipped as Radioactive Material, Excepted Package – Instruments or Articles, UN2911 in accordance with 49 CFR 173.424 and ADR 2.2.7.9; and as such is exempt from specification packaging, shipping papers, certification, and labeling requirements specified in this section.

e. As per 49 CFR 173.422 and the European ADR 5.2.1.7.2, the outside of the package **MUST** show the UN identification of “ **UN2911** ”.

f. As per the ADR 2.2.7.9.7, the transport document (i.e. DD Form 1384, Bill of Lading) **MUST** show “ **UN2911** ”.

g. In accordance with 49 CFR 173.443(a) a RSO will insure that the removable contamination levels on the outside of the final shipping container is **not more than 0.4 Bq/cm² (beta/gamma) and less than 0.04 Bq/cm² (alpha)**. If the readings exceed these limits, a non-contaminated container should be used and an investigation initiated to determine the source of removable contamination.

8. Utilize the applicable mailing address noted for the RMPF in SOP 700-48, paragraph 6.i.